

CLAIMS

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A clock dial comprising:
 - a rotatable moon dial have a perimeter and a plurality of identical teeth uniformly spaced about said perimeter, each of said teeth being generally symmetrical;
 - a rotatable driving gear having a pin extending therefrom, said pin positioned to engage one of said teeth with each rotation of said driving gear to rotatably advance said moon dial, each of said symmetrical teeth permitting said pin to move said moon dial either forward or backward depending on the direction of rotation of said driving gear.
2. The clock dial movement of claim 1 wherein said moon dial has an axis of rotation, and further comprising friction means for applying rotational friction to said moon dial, said friction means mounted on said axis.
3. The clock dial movement of claim 2 wherein said friction means comprises a wave washer engaging said moon dial.
4. The clock dial movement of claim 3 wherein said driving gear completes one revolution every twenty-four hours.
5. A clock dial movement device for advancing a moon dial comprising:
 - a drive disk, said drive disk in rotation actuated by the clock movement;
 - a pin protruding from said drive disk;
 - a moon disk having a plurality of generally symmetrical teeth, said pin engaging said teeth such that said moon disk increments one tooth per forward or backward revolution of said drive disk.

6. The clock of claim 5 wherein a wave washer maintains a consistent friction with said moon disk, preventing said disk from incrementing when not engaged by said pin.

7. The clock of claim 6 wherein said drive disk makes one revolution per 12 hours.

8. The clock of claim 7 wherein said clock has conventional hands and said disk may be incremented forward or backward by any manual or automatic rotation of said hands.

9. A mechanism for rotating a moon dial on a clock movement comprising:

a moon disk axis;

a moon disk rotatable on said moon disk axis, said moon disk including images of the moon on one surface, said moon disk including a plurality of teeth about the circumference of said moon disk, each of said teeth having a symmetric profile;

a friction device on said moon disk axis creating friction between said disk and said moon disk axis; and

a drive disk rotatable about a second axis, said drive disk including a pin extending from said drive disk, said pin periodically interfitting with said teeth on said moon disk, said pin incrementally rotating said moon disk forward or backward one tooth for each revolution of said drive disk.

10. The mechanism of claim 9 wherein said friction device is a wave washer.